



College Of Engineering Mechanical Engineering Study Plan

139 Total Credit Hours
Spring 2026

Freshman		Sophomore		Junior		Senior	
First Semester 18H		First Semester 18H		First Semester 18H		First Semester 18H	
2H	ISLM 1111: Islamic Cul., Val. & Soci.		Sophomore Level	1H	ASSE 2111: Learning Outcome Ass. I	3H	MEEN 3394: Computer Aided Design
1H	PHED 1111: Active Living Life Style	←	PRPC/PRPW/PREE 0061 or equi	3H	COMM 2321: Tech. & Prof. Comm.	←	MEEN 2313
3H	COMM 1321: Oral Comm.	←	IELTS/APTIS	2H	GEEN 2211: Engineering Computing	←	MEEN 2311
2H	UNIV 1211: Prof. Development	←	PRPC/PRPW/PREE 0061 or equi	2H	UNIV 1213: Leadership & Teamwork	←	MEEN 2313
4H	MATH 1422: Calculus I	←	PRPM 0022	3H	MATH 1324: Calculus III	←	MEEN 2312
4H	PHYS 1421: Physics for Engineers I	←	PRPM 0022	4H	PHYS 1422: Physics for Engineers II	←	UNIV 1221
2H	GEEN 1211: Intro. to Engineering	←	PRPM 0022	3H	MEEN 2312: Eng. Mech. II: Dynamics	←	MEEN 2313
							MEEN 3394 MEEN 3311
							MEEN 3395 MEEN 3432 GEEN 3314
							MEEN 3311
							MEEN 3322 MEEN 3333
							MEEN 3333 MEEN 3395
							Select from list.
							MEEN 4393: Machine Design
							MEEN 4392: Feedback Control
							GEEN 4311: Engineering Economy
							MEEN 4322: Power Generation
							MEEN 4396: Mech. Eng. Senior Design I
							MEEN XXXX: Elective *1
Second Semester 17H		Second Semester 17H		Second Semester 16H		Second Semester 14H	
1H	PHED 1112: Healthy Behaviors & Manag.	←	PHED 1111	2H	UNIV 1221: Generative AI Prompt Eng. Basics	←	PHYS 1422 & Junior Level Standing
3H	GEEN 2311: Eng. Mechanics I: Statics	←	PHYS 1421	3H	COMM 2322: Writing & Research	←	ASSE 2111 & Junior Level
3H	COMM 1322: Written Comm.	←	COMM 1321	3H	GEEN 2313: Thermodynamics I	←	GEEN 2211 MATH 2332
2H	UNIV 1212: Critical Thinking	←	UNIV 1211	3H	MEEN 2311: Materials Engineering	←	GEEN 3311
4H	MATH 1423: Calculus II	←	MATH 1422	3H	MATH 2332: Differential Equations	←	MEEN 3391
4H	CHEM 1421: Chem. for Engineers I	←	PRPM 0022	3H	MEEN 2313: Solid Mechanics	←	GEEN 3311
							GEEN 4311 MEEN 4396
							UNIV 2221
							MEEN 3322 MEEN 3333
							Select from list.
							Select from list.
							MEEN 4397: Mech. Eng. Senior Design II
							UNIV 2222: Systems Thinking for Future Innovations
							MEEN 4311: Principles of HVAC
							MEEN XXX Elective *2
							Social Science Elective
				Summer Semester 3H			
				3H	MEEN 3301: Internship	←	End of Junior Year or 90 Cr. Hours

How to read study plan:

The dotted-lined square indicates a pre-requisite class

Social Science Elective: Choose one - HIST 1311 World Civilizations, SYST 1311 Introduction to Systems Thinking, SERV 1311 Introduction to Service Learning and Volunteering, FURS 1311 Introduction to Futures Skills, FUTR 1311 Introduction to Futures Studies, PSYC 1311 Introduction to Psychology, FREN 1311 Introduction to French Language, BSTW 1311 Behavioral Sciences in 3D World, SPAN 1311 Introduction to Spanish Language, SUST 1311 Introduction to Sustainability, GEGR 1311 World Regional Geography

MEEN Technical Electives: MEEN 4312 Fluid Mechanics - (Pre-requisite) GEEN 3311: Introduction to Fluid Mechanics, MEEN 3322: Thermodynamics II

MEEN 4315 Principles of Building Energy Analysis - (Pre-requisite) MEEN 3322: Thermodynamics II, MEEN 3333: Heat Transfer,

MEEN 4331 Internal Combustion Engines - (Pre-requisite) MEEN 3322: Thermodynamics II, MEEN 3333: Heat Transfer

MEEN 4332 Turbomachinery - (Pre-requisite) MEEN 3322: Thermodynamics II, MEEN 3333: Heat Transfer

MEEN 4341 Corrosion Engineering - (Pre-requisite) MEEN 3322: Thermodynamics II, MEEN 2311: Materials Engineering, MEEN 2311: Materials Engineering

MEEN 4344 Materials in Design - (Pre-requisite) MEEN 3311: Manufacturing Processes, MEEN 4393: Machine Design

MEEN 4351 Intermediate Dynamics - (Pre-requisite) MEEN 3395: Mechanical Vibrations; MEEN 4394 Advanced Control Systems - (Pre-requisite) MEEN 4392: Feedback Control